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FACILITIES ENGINEERING MANAGEMENT SYSTEM STUDY: CATALOG OF AUTOMATIC DATA PROCESSING APPLICATIONS DEVELOPED BY USACERL FOR ARMY INSTALLATION DIRECTORATES OF ENGINEERING AND HOUSING

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This catalog presents a review of the Automatic Data Processing (ADP) systems developed by the U.S. Army Construction Engineering Research Laboratory (USACERL) in support of the functional areas in Army Installation Directorates of Engineering and Housing (DEHs). This catalog identifies the individual systems that support Facility Engineer task performance as defined by Army Regulation (AR) 5-3 and other Army directives.

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This catalog presents a review of the Automatic Data Processing (ADP) systems developed by the U.S. Army Construction Engineering Research Laboratory (USACERL) in support of the functional areas in Army installation Directorates of Engineering and Housing (DEHs). This catalog identifies the individual systems that support Facility Engineer task performance as defined by Army Regulation (AR) 5-3 and other Army directives.

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FOREWORD

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DISTRIBUTION

FACILITIES ENGINEERING MANAGEMENT SYSTEM STUDY: CATALOG OF AUTOMATIC DATA PROCESSING APPLICATIONS DEVELOPED BY USACERL FOR ARMY INSTALLATION DIRECTORATES OF ENGINEERING AND HOUSING

INTRODUCTION

This catalog contains information on Automatic Data Processing (ADP) systems and/or applications that have been developed or are under development at the U.S. Army Construction Engineering Research Laboratory (USACERL), for use by personnel in the Directorate of Engineering and Housing (DEH).

This catalog has been organized in alphabetical order based on the program name. However, to facilitate use, there are two indices: programs listed alphabetically by USACERL Division (FACILITIES SYSTEMS = CECER-FS, ENERGY SYSTEMS = CECER-ES, ENVIRONMENTAL = CECER-EN, ENGINEERING MATERIALS = CECER-EM) and programs listed alphabetically by functional area.

Each system or application is described in terms of computer size, hardware, and software necessary for the system or application run. The type of commercial program necessary for each application may be abbreviated if more than one is applicable. The following abbreviations have been used:

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WP. . . . . . WORD PROCESSING SYSTEM
SPREAD. . . . SPREADSHEET PROGRAM
DB. . . . . . DATA BASE MANAGER
COMM. . . . . COMMUNICATION PROGRAM
INTEGRTD. . . INTEGRATED PROGRAM
CAD . . . . . COMPUTER AIDED DESIGN
PM. . . . . . PROJECT MANAGEMENT
EXPERT. . . . EXPERT SYSTEM
CAI . . . . . COMPUTER AIDED INSTRUCTION
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Table 1 is a Task Reference List. The tasks are performed by Facility Engineers and each is associated with a Task ID Code. Task ID Codes are listed for each ADP system or application included in the catalog to indicate which tasks are supported. Included with each system or application is a brief description of the system's attributes and who the intended users are.

For more information about specific systems or applications, the USACERL point of contact (POC) is listed. The USACERL phone number is (217) 352-6511 or (800) USACERL and the specific extension of the POC. If more general information is needed, contact either Ellen Piety, ext 552 or Dr. Sine Hill, ext 658.

TABLE 1

DIRECTORATE OF ENGINEERING AND HOUSING MANAGEMENT SYSTEM STUDY
TASK REFERENCE LIST

TASK-ID   TASK

OFFICE OF THE DIRECTOR (OTD)
0A   The OTD Tasks

TROOP OPERATIONS OFFICE (TOO)
1A   Coordination of Engineer Troop Construction Program
1B   Coordination of support to off-post locations
1C   Coordination of mobilization and other contingency activities
1D   Coordination of self-help programs in troop areas
1E   POC for tenant activities and other customers

ADMINISTRATIVE SERVICES OFFICE (ASO)
2A   Official mail desk, files maintenance, and records management
2B   Personnel support for travel, training, and transportation requests
2C   Time and attendance reports, personnel actions, training, and award programs

ENVIRONMENTAL MANAGEMENT OFFICE (EMO)
3A   Operates pollution abatement programs (air, water, and ambient noise)
3B   Hazardous and toxic materials/waste management
3C   Historic/archaeological preservation
3D   Mandatory coordination point for review of environment assessment and impact statements
3E   Oil and hazardous spill management
3F   Installation restoration program management

ENGINEER RESOURCES MANAGEMENT DIVISION (ERM)
4A   Conducts resource management
4B   Other fiscal services-financial management of reimbursable account/customer
4C   Coordination of work plan and program activities of DEH
4D   Schedules cyclical inspections to identify maintenance and repair requirements
4E   Receipt and evaluation of all DEH work requests
4F   Determination of method of work: (in-house, troop, contract, self-help)
4G   Coordination of administration approval of all work
4H   Planning and estimating of work for in-house forces
4I   Development and coordination of material requirements for work orders
4J   Scheduling of all DEH work
4K   Oversight of work, recording, and reporting activities of DEH
4L   Review, analysis, and recommendation of methods for improvements
4M   Coordination of manpower management activities of DEH
4N   Internal ADP systems support
4O   Coordination of external ADP systems support
4P   Productivity improvement support services
4Q   Liaison/coordination for management programs-internal control, QA, Army efficiency
           review program, etc
4R   Administers contracts with delegated authorities
4S   Management of interservice support agreements within DEH

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ENGINEERING, PLANS AND SERVICES DIVISION (EPS)

5A	Project scope development, project designs (plans & specs)
5B	Liaison for project contract activities of installation and district contract support
5C	Installation master planning
5D	Development of MCA, MMCA, & MCAR programs
5E	Coordination with District Engineer on MILCON projects design and execution
5F	Mobilization facility planning
5G	Supervision, inspection, and administration of contract projects
5H	Facility space utilization management and reporting
5I	Real property accounting and control
5J	Real estate services: leases, easements, outgrants, acquisition, disposal, etc
5K	Facility planning for realignment/restationing
5L	Consulting engineering studies and services
5M	Engineering maps and plans
5N	Coordination of installation support services from USACE Districts and Laboratories
5O	Administers contracts with delegated authorities
5P	Traffic engineering

SUPPLY AND STORAGE DIVISION (SSD)

6A	Initiates request for acquisition of DEH supplies and materials
6B	Stores and maintains materials and supplies
6C	Issues and turns-in materials and equipment
6D	Conducts documentary control of DEH supplies and fuels
6E	Accounts for DEH unique equipment
6F	Assists in physical and financial inventory accounting
6G	Administers contracts with delegated authorities

BUILDINGS AND GROUNDS DIVISION (BGD)

7A	Maintain, repair, and improve buildings, structures, roads and railroads, bridges, drainage, surfaced areas, and grounds
7B	Custodial services
7C	Environmental management of fish and wildlife programs
7D	Operation and maintenance of DEH equipment
7E	Packing and crating services
7F	Operates self-help program
7G	Project development and review of buildings, structures, grounds, surfaced areas, bridges, and railroads
7H	Snow removal and ice control
7I	Administers contracts
7J	PPB-maintenance and repair, and minor construction of building and grounds, surfaced areas, bridges, and railroads
7K	Pest control services
7L	Operates preventive maintenance (PM) program
7M	Administrative tasks
7N	Environmental outlease and agronomy
7O	Environmental ground maintenance
7P	Environmental forestry
7Q	Environmental land management

UTILITIES DIVISION (UTD)

8A	Operate, maintain, repair, and improve utility plants and systems
8B	Install, maintain, and repair kitchen equipment

8C	Maintain, repair, and conduct minor construction of petroleum, oil, and lubricant storage and dispensing systems
8D	Operate solid fuel storage systems
8E	Operate energy monitoring controls systems
8F	Promote energy awareness on the installation
8G	Purchase and sale of utilities/utilities contract administration
8H	Environmental Refuse and solid waste collection disposal and recycling
8I	Maintain and repair elevator, building crane and hoist/utility system
8J	Plan, program, and budget utility operations, maintenance and repair, and minor construction
8K	Develop and review utilities projects
8L	Conduct inspections of new and existing facilities to assure conformance with energy conservation standards and procedures.
8M	Maintain energy consumption records and satisfy reporting requirements.

FIRE PROTECTION DIVISION (FPD)

9A	Conduct fire protection operational readiness self inspection
9B	Conduct fire protection training programs
9C	Conduct fire prevention training of soldiers, families, and employees
9D	Conducts Fire Marshal programs
9E	Conducts fire prevention inspections
9F	Receives and responds to fire calls
9G	Mutual aid agreements with municipal, county, State, and Federal agencies
9H	Conducts aircraft crash fire rescue operations
9I	Provides initial response to hazardous material spill situations
9J	Inspects and tests fire protection systems (sprinklers, alarms, standpipes, etc)
9K	Installs, maintains, and recharges fire extinguishers
9L	Conducts fire investigations and reporting
9M	Technical review of job plans and engineering project designs
9N	Administers contracts within delegated authorities
9O	Monitors construction and maintenance and repair projects
9P	Monitors alarms (fire, cold storage, etc)
9Q	Performs night, weekend, and holiday work reception

HOUSING DIVISION (HOUS)

10A	Executive management of installation housing functions
10B	Plans, programs, and executes housing operations
10C	Formulates local policies and procedures
10D	Determines housing requirements
10E	Develops annual and long-range programs for construction, use, operation, maintenance, and repair of housing assets
10F	Advises the commander of housing activities on- and off-post
10G	Determines availability and solicits housing assets from local communities
10H	Manages and operates senior enlisted and officer unaccompanied personnel housing
10I	Supervises utilization of troop billets
10J	Manages furnishings operations
10K	Manages and operates guest housing and short-term lodging
10M	Plans, programs, and executes housing nonappropriated fund activities in coordination with the installation centralized nonappropriated fund
10N	Manages housing referral services
10O	Processes requests for diversion or conversion of housing assets
10P	Conducts housing, economic, and market analyses, and requirement surveys
10Q	Develops and prepares housing financial plan and program requirements

10R	Plans, programs, and operates government leased housing programs
10S	Determines eligibility for government housing
10T	Assigns and terminates occupancy in family, unaccompanied personnel, transient housing, guest quarters, and government owned trailers and trailer pads
10U	Monitors and reports use of all housing assets
10V	Provides technical assistance in individual lease transactions
10W	Maintains and appoints area and subarea coordinators
10X	Operates Housing Operations Maintenance System (HOMES) and other housing systems
10Y	Supervises and executes Federal equal housing opportunity laws and programs
10Z	Coordinates with Corps of Engineer Districts, and higher headquarters, contractors and business firms for delivery of services and materials in support of housing inventory
10AA	Develops, in coordination with other DEH staff organizations, priorities and guidance for operations, maintenance, repair, and improvements to government owned and controlled family housing
10AB	Monitors family housing service orders and work orders including in-house and contract projects
10AC	Issues certificates of non-availability of all government housing
10AD	Plans, programs, and operates control, storage, handling, distribution and maintenance, and repair of housing quarters furnishings
10AE	Manages and maintains property books for family, guest, unaccompanied personnel, and short term housing furnishings
10AF	Administers the installation's housing management career program
10AG	Administers contracts within delegated authorities, including conducting of QA surveillance/evaluation of contractor performance

Application

Name: 1383 - Pollution Abatement Tracking System
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Mike Kemme, ext 440
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: VAX, Pyramid 90X
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 1
Primary User: Environmental Office
Secondary User: DEH Personnel
Other User:
FE Task I.D. Code: 3A, 3B, 3F, 3G

Brief Description

A system which processes 1383 forms. It is used by OCE and MACOMs.

Application

Name: 1391 Processor
Developer: CECER-FS
Proponent: CEEC-P-M
Point of Contact: Bill Flickinger, ext 727
Status of System: In full use

Hardware & Software

Computer Size: Mainframe, Micro
Type of Mainframe: IBM
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: VM/CMS, MS-DOS
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran, COBOL
Type of Commercial Program Used: WP/COMM
Specific Commercial Program Used:
Version:
Primary User: Master Planner
Secondary User:
Other User:
FE Task I.D. Code: 5C, 5D

Brief Description

Automated data system to communicate justification information concerning future construction needs for congressional approval. Automatically tracks where 1391 Form is in the review chain and provides status of project. Also, the system has many built-in tools to aid preparers in filling out the form. The system was developed to support Army engineers responsible for the MCA programming.

Application

Name: ACMS - Automated Construction Management System
Developer: CECER-FS
Proponent: CECP-M
Point of Contact: Charles Herring, ext 260
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 256K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: dBase II
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBase II
Version: 84.0
Primary User: Troop Operations
Secondary User:
Other User:
FE Task I.D. Code: 1A

Brief Description

Helps combat heavy and troop construction manager track construction progress and costs. Detailed tracking of individual projects and costs. System performs detailed tracking of individual projects with three levels of summaries.

Application

Name: AFEICS - Air Force Environmental Impact Computer System
Developer: CECER-EN
Proponent: AF-LEEV
Point of Contact: Ron Webster, ext 593
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: Master Planner
Other User:
FE Task I.D. Code: 5C, 3A

Brief Description

Provides a methodology to define potential environmental impacts associated with Air Force programs. Used by environmental planners and master planners. It is available through the Environmental Technical Information System (ETIS).

Application

Name: Air Pollution Data Acquisition and Analysis System
Developer: CECER-EN
Proponent: CEEC-FU
Point of Contact: Mike Kemme, ext 440
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer: IBM-XT or Compatible
Type of Micro Computer:
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Symphony Macro, Fortran
Type of Commercial Program Used: Integrtd
Specific Commercial Program Used: Symphony
Version:
Primary User: Facility Engineers
Secondary User: Environmental Office
Other User:
FE Task I.D. Code: 3A

Brief Description

Real-time data acquisition system; collects and creates a data base of meteorological and air pollutant concentration data; produces data presentation and quality assurance reports.

Application

Name: ALMC
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Sue Thomas, Fort Lee (703) 461-2598
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: VAX, Pyramid 90X
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User:
Other User:
FE Task I.D. Code: 3A, 3B, 3F, 3G

Brief Description

This system is a schedule of courses available for Army environment managers. It is available through ETIS.

Application

Name: ARMS - Automated Review Management System
Developer: CECER-FS
Proponent: CEEC-CE
Point of Contact: Jeff Kirby, ext 274
Status of System: Being tested

Hardware & Software

Computer Size: Any UNIX system
Type of Mainframe:
Type of Mini Computer: Any UNIX system
Type of Micro Computer:
Random Access Memory Required: 4MB
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Engineering Plans and Services Division
Secondary User:
Other User:
FE Task I.D. Code: 5A, 5E

Brief Description

ARMS can be used by the DEH to enter design review comments, manage the review process, and read other design review comments.

Application

Name: ARMSED
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Riggins, Kaden, Hodge, ext 609
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: FORTRAN
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: Building and Grounds
Other User: Master Planner
FE Task I.D. Code: 3A, 8A, 8C

Brief Description

Produces runoff and sediment information for watershed process analysis on a single precipitation event basis. For use by environmental master planners and land managers. Available on floppy disk.

Application

Name: Benefit:Cost of Leakage Detection in Water Systems
Developer: CECER-EN
Proponent: CEHSC-FU
Point of Contact: Rick Scholze, ext 743
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 256K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Lotus 123
Type of Commercial Program Used: SPREAD
Specific Commercial Program Used: Lotus 123
Version: 2.2
Primary User: Utilities Division
Secondary User:
Other User:
FE Task I.D. Code: 8A

Brief Description

This spreadsheet estimates the benefit:cost ratio possible from a leak detection study in a water system based on miles of pipe, cost of water, and minimum night flow.

Application

Name: BERM - Calculator of Blast Noise Reduction
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Paul Schomer, ext 229
Status of System: Being tested

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Plan Reviewer
Secondary User: Utilities Division
Other User:
FE Task I.D. Code: 10M

Brief Description

This system calculates the attenuation resulting from placement of a berm or other barriers. Used by environmental personnel, construction engineers, and master planners in USAREUR.

Application

Name: BLAST - Building Loads And System Thermodynamics
Developer: CECER-ES
Proponent: CEEC-EE
Point of Contact: Linda Lawrie, ext 282
Status of System: In full use

Hardware & Software

Computer Size: Mainframe, Mini
Type of Mainframe: CDC CYBER
Type of Mini Computer: VAX, Harris
Type of Micro Computer: APOLLO
Random Access Memory Required: 512K
Operating System: UNIX, VMS, VULCON
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran, Fortran 77
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Utilities Division
Secondary User: Building and Grounds
Other User:
FE Task I.D. Code: 7G, 8F

Brief Description

This system performs energy analysis of new or retrofit building options. It is intended to be used by the energy personnel in districts and installations and architect/engineer firms.

Application

Name: CAMMS
Developer: CECER-FS
Proponent: CEHSC-FM-S
Point of Contact: John Williamson, ext 710
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC/AT Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: Fortran and dBaseIII+
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+
Version:
Primary User: Contract Managers
Secondary User:
Other User:
FE Task I.D. Code: 4R

Brief Description

Program schedules maintenance and inspection work, generates reports, and monitors contracts.

Application

Name: CAMPS - Computer-Aided Master Planning System
Developer: CECER-FS
Proponent: AEAEN-IP-MP
Point of Contact: Bill Aley, ext 624
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 1MB+
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: dBaseIII+/Micro Station
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 2.13 Micro/dBaseIII+
Primary User: Engineering Resources Management Division
Secondary User: Districts
Other User:
FE Task I.D. Code: 5C, 4E, 4H, 4I, 4J

Brief Description

A master planning menu system that will control all DEH master planning activities from a single PC. Submenus will be available for engineering and utilities CADD systems, network access, full backup and storage, access to future IFS-M data bases through Sperry and general user programs.

Application

Name: CEAS - Comprehensive Economic Analysis System
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Margaret Olson, ext 445
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 1.0
Primary User: Environmental Office
Secondary User: Master Planner
Other User: Economists
FE Task I.D. Code: 3D

Brief Description

A series of systems that perform regional economic impact analysis, impact region definition, and quantitative analysis. It is used by economists and master planners. It is available through ETIS.

Application

Name: CELDS - Computer-Aided Environmental Legislative Data system
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Laura Drasgow, ext 748
Status of System. In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid 90X
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User:
Other User:
FE Task I.D. Code: 3A, 3B, 3C, 3D, 3E, 3F, 3G

Brief Description

Supplies users with abstracts of Federal and State regulations to better prepare users for environmental compliance situations. For use by environmental personnel at installations and MACOMs. Available through ETIS.

Application

Name: CGS - Claims Guidance System
Developer: CECER-FS
Proponent: CEEC-CM
Point of Contact: Moonja Kim, ext 713
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Personal Consultant Plus
Type of Commercial Program Used: Expert
Specific Commercial Program Used: Personal Consultant Plus
Version: 3.0
Primary User: Districts
Secondary User:
Other User:
FE Task I.D. Code: 11Z

Brief Description

CGS is an expert system to provide prelegal assistance to field engineers regarding construction contracts and to provide training and documentation tools in handling potential claims from construction contracts.

Application

Name: CO2 Treatment of Potable Waters for Scale Removal
Developer: CECER-EN
Proponent: CEHSC-FU
Point of Contact: Prakash Temkar, ext 747
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 256K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Basic
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Utilities Division
Secondary User:
Other User:
FE Task I.D. Code: 8A

Brief Description

This program computes the effect of carbon dioxide addition to potable waters on pH, Calcium Carbonate Precipitation Potential (CCPP), and Langelion Index (LI) at various temperatures. The results are used to optimize CO2 treatment for scale removal from potable water systems.

Application

Name: Computer-Assisted Instruction Tools for IFS-M
Developer: CECER-FS
Proponent: EHSC-SI
Point of Contact: Sine Hill, ext 658
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer: IBM-PC Compatible
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: Tencor
Type of Commercial Program Used: Caitools
Specific Commercial Program Used: Tencor
Version: 1
Primary User: DEH
Secondary User: Engineering Resources Management Division Chief
Other User: Other Branch Chiefs
FE Task I.D. Code: All

Brief Description

The system and related research provides EHSC and the DEH communities with computer-assisted instruction (CAI) capabilities in support of its effort to field IFS-M. The initial CAI capabilities will include: a) an indepth CAI sytem plan and design strategy; b) a pilot CAI tutorial module--executive overview of IFS-M; c) a pilot CAI tutorial module--IFS-M data manipulation tools for managers; d) an intelligent query and report generating module; and e) a description of CAI simulation modules for managers.

Application

Name: CRIBB - Cultural Resources Information Bulletin Board
Developer: CECER-EN
Proponent: Civil Works
Point of Contact: Diane K. Mann, ext 741
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Civil Works
Secondary User:
Other User:
FE Task I.D. Code: 3C

Brief Description

CRIBB is a bulletin board for historical preservation offices, archaeologists, and cultural resource managers in the DEH and the Corps of Engineers Civil Works offices. Specific to the cultural resource area, workers in the field can quickly exchange ideas and technological information.

Application

Name: CRIS - Cultural Resources Information System
Developer: CECER-EN
Proponent: CEHCS-E
Point of Contact: Diane K. Mann, ext 741
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: DOS
Does System Support Remote Terminals?: Yes
Programming Languages Used: dBaseIII+
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+
Version:
Primary User: Environmental Office
Secondary User: Historic Preservation Office
Other User: Civil Works Archaeologists
FE Task I.D. Code: 3A, 3B, 3C

Brief Description

The multipurpose software data base system is easy to use for creating a historical preservation plan and managing cultural resources. A link is being created that will permit input of CRIS data to GRASS (Geographic Resources Analysis Support System) providing additional management tools for planning, building, and carrying out military missions.

Application

Name: D.L.A. CERL/CAD Pilot Program
Developer: CECER-FS
Proponent: Defense Logistics Agency
Point of Contact: Joe Bermes, ext 513
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 257-512K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: AUTOCAD Command
Type of Commercial Program Used: CAD
Specific Commercial Program Used: AUTOCAD
Version:
Primary User: Space Planner
Secondary User: Facility Manager
Other User:
FE Task I.D. Code: 5H

Brief Description

System to be used as a design tool by space planners in producing space use blockouts, furniture layouts, and procurement lists. The system will be networked throughout DLA installations to facilitate information transfer.

Application

Name: DEEP - Discuss with Experts Environmental Problems
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Diane K. Mann, ext 741
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: VAX, Pyramid 90X
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 1
Primary User: Environmental Office
Secondary User: DEH Personnel
Other User:
FE Task I.D. Code: 3A, 3B, 3F, 3G

Brief Description

DEEP is a bulletin board system for the exchange of technical information and the pooling of expertise among a variety of environmental professionals. It is available on ETIS.

Application

Name: DEH Automated Mapping/Facility Management (AM-FM) Graphics
Developer: CECER-FS
Proponent: CEHSC-FM-R
Point of Contact: Bill Flickinger, ext 727
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used:
Type of Commercial Program Used: INTEGRTD
Specific Commercial Program Used:
Version:
Primary User: DEH Personnel
Secondary User: Supporting Districts
Other User:
FE Task I.D. Code: 7A, 7G, 7J, 5A

Brief Description

The DEH graphics system will implement state-of-the-art computer-aided design and drafting systems to support the DEH efficiency in conducting and managing installation facility management activities. Information guidance, recommendations, and systems developed will help the DEH effectively implement automated graphics tools by addressing the following subjects: automated mapping (AM); facility management (FM); DD Form 1391 graphics; PDB preparation; space planning; and architectural and engineering design.

Application

Name: DEH Electronic Bulletin Board
Developer: CECER-FS
Proponent: CEHSC-F
Point of Contact: Ellen Piety, ext 552
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: Any emulating terminal
Random Access Memory Required:
Operating System: OnTyme Command Language
Does System Support Remote Terminals?: Yes
Programming Languages Used: OnTyme Command Language
Type of Commercial Program Used: COMM
Specific Commercial Program Used:
Version:
Primary User: DEH Personnel
Secondary User: Specialty Crafts
Other User:
FE Task I.D. Code: 4N

Brief Description

This system will provide electronic bulletin board access for exchanging technical information between laboratories, Districts, and DEH organizational elements. Accessible to all PAX and OnTyme users. The system includes POC and TM members for each level and field of work for DEH branches and installations, the EHSC class schedule, ability to transfer files, post questions, and receive answers.

Application

Name: DEH Equipment Management System
Developer: CECER-FS
Proponent: CEHSC-FB-I
Point of Contact: Mike Fuerst, ext 273
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS, PIK
Does System Support Remote Terminals?:
Programming Languages Used: C, Btrieve (MS-DOS version), PIK (PIK version)
Type of Commercial Program Used: Database
Specific Commercial Program Used: Btrieve, PIK
Version:
Primary User: Supply and Storage
Secondary User:
Other User:
FE Task I.D. Code: 4D, 4I, 4M

Brief Description

Complete maintenance management system for DEH equipment repair. Monitors preventive maintenance, parts, and labor use/productivity. Very flexible in allowing shop manager to produce useful reports and analyses quickly.

Application

Name: DEH Maintenance Management System Using Barcodes
Developer: CECER-FS
Proponent: CEHSC-FB-I
Point of Contact: Mike Fuerst, ext 273
Status of System: Under development

Hardware & Software

Computer Size: Mini, Micro
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required:
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used:
Type of Commercial Program Used: Database
Specific Commercial Program Used: Clipper
Version:
Primary User: Supply and Storage
Secondary User:
Other User:
FE Task I.D. Code: 4A, 4C, 4D, 4E, 4J, 6A

Brief Description

Will allow shop managers to evaluate workload, schedule preventive maintenance, monitor craftspeople's effectiveness, monitor inventory, and produce relevant reports. Barcode technology will eliminate most paperwork.

Application

Name: Design 4-D
Developer: CECER-FS
Proponent: CEEC-ECE-D
Point of Contact: Beth Symonds, ext 717
Status of System: Prototype in testing

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: C
Type of Commercial Program Used: CAD/DB
Specific Commercial Program Used:
Version:
Primary User: Engineering Resources Management Division
Secondary User:
Other User:
FE Task I.D. Code: 5A

Brief Description

Permits the architect/designer to complete 3D concept design of a building. The final version will do the analysis of the design as the designer enters information, informing the user of violations in code in real time. It will contain knowledge of what constitutes a good design, thus will assist the designer in achieving the best design. Permits designer to draw on screen in full 3D.

Application

Name: Design Criteria Information System
Developer: CECER-FS
Proponent: CEEC-EA
Point of Contact: Bill Flickinger, ext 727
Status of System: Being tested

Hardware & Software

Computer Size: Mainframe, Micro
Type of Mainframe: IBM 3083
Type of Mini Computer:
Type of Micro Computer: AT Compatible
Random Access Memory Required: 512K
Operating System: VM/CMS, MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: REXX, FOCEXEC
Type of Commercial Program Used: INTEGRTD
Specific Commercial Program Used:
Version: 1.0 Proprietary
Primary User: Designers
Secondary User:
Other User:
FE Task I.D. Code: 5C

Brief Description

Automates the architectural and engineering information for worldwide access by users. Reduces eleven volumes of 1500 pages to a manageable, readily accessible system. Automates the update procedures (ETLs, quarterly updates, etc).

Application

Name: DR-REAL - Desktop Resource for Real Property
Developer: CECER-FS
Proponent: FORSCOM
Point of Contact: Tom Mahon, ext 799
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 640K
Operating System:
Does System Support Remote Terminals?:
Programming Languages Used: dBaseIII+
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+
Version:
Primary User: Real Property Clerk
Secondary User: DEH Personnel
Other User:
FE Task I.D. Code: 4A

Brief Description

DR-REAL computer system is a dBaseIII+ application developed to keep track of information pertaining to real property management. This system provides the DEH Real Property Clerk an easy, quick, and efficient way to maintain a local data base and to produce necessary reports, for daily management of building/facilities located on- or off-post.

Application

Name: DTMS - Data Traffic Management System
Developer: CECER-FS
Proponent: CEEC-P
Point of Contact: Ikler Adiguzel, ext 728
Status of System: Under development

Hardware & Software

Computer Size: Mainframe
Type of Mainframe: IBM 370/3083
Type of Mini Computer:
Type of Micro Computer:
Random Access Memory Required: 128K
Operating System: VM/CMS
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran, COBOL, C, LP/1
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: N/A
Primary User: Master Planner
Secondary User: Scheduler
Other User:
FE Task I.D. Code: 4D, 5D, 5E

Brief Description

This system supports data integrity and availability and maintenance economy of military construction programs information systems being developed to assist in providing consistent and reliable information on facilities programs to managers and engineers throughout the Army by supporting the mutual consistency and the ability to share data stored in PAX and other systems.

Application

Name: EASE - Executive Aaction Support Environment
Developer: CECER-FS
Proponent: CEEC-P
Point of Contact: Roger Day, ext 725
Status of System: Under development

Hardware & Software

Computer Size: Micro, Mainframe
Type of Mainframe: IBM 370
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: DOS
Does System Support Remote Terminals?:
Programming Languages Used: Mantra Scripting
Type of Commercial Program Used: INTEGRTD
Specific Commercial Program Used: Enable, Micromail
Version:
Primary User: Master Planner
Secondary User: MCA, MCAR, MMCA Manager
Other User:
FE Task I.D. Code: 5D, 5E

Brief Description

This application is a management tool that features a user friendly environment for Corps and Army managers to generate reports from Corps data bases and organize their personal work. Scope of project is primarily designed to serve Corps components other than the FE.

Application

Name: Economic Analysis for Hazardous Waste Minimization
Developer: CECER-EN
Proponent: Army Environmental Office
Point of Contact: Ketura Reinbold, ext 742
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: DOS 2.0+
Does System Support Remote Terminals?:
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used: Vitamin C, Microsoft
Version:
Primary User: Environmental Office
Secondary User:
Other User:
FE Task I.D. Code: 3B

Brief Description

System consists of a generic model for economic analysis for various techniques to minimize hazardous waste generation. Has submodels that include solvents, metal plating wastes, batteries, and industrial waste treatment sludge.

Application

Name: ECONPACK - Economic Analysis Package
Developer: CECER-FS
Proponent: CEEC-PESO
Point of Contact: Robert Neathammer, ext 259
Status of System: In full use

Hardware & Software

Computer Size: Mainframe, Micro
Type of Mainframe: IBM
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Master Planner
Secondary User: Engineering Plans and Services
Other User:
FE Task I.D. Code: 5D

Brief Description

Performs economic analysis calculations for MCA projects. Used to compare alternative methods of meeting facility requirements...MCA, lease, renovation, etc. Generates reports for inclusion in the DD Form 1391.

Application

Name: EEWS - Environmental Early Warning System
Developer: CECER-EN
Proponent: CEHSC-E, AFEN-MSE
Point of Contact: Robert Lozar, ext 739
Status of System: Being tested

Hardware & Software

Computer Size: Mainframe, Mini
Type of Mainframe: IBM, Cyber175, Cray
Type of Mini Computer: VAX, Pyramid, Wang
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: VM/CMS, NOS, UNIX, Wang
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran
Type of Commercial Program Used: Database
Specific Commercial Program Used:
Version:
Primary User: Facility Planner
Secondary User: Environmental Office
Other User:
FE Task I.D. Code: 5K, 3A, 3B, 3C

Brief Description

EEWS allows HQDA and MACOM personnel to rapidly identify serious environmental related problems
associated with proposed changes in troop realignments.

Application

Name: EICS - Environmental Impact Computer System
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Ron Webster, ext 593
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User:
Other User:
FE Task I.D. Code: 3D

Brief Description

Provides a methodology to define potential environmental impacts associated with Army programs. Used by environmental and master planners. It is available through ETIS.

Application

Name: EIFS - Economic Impact Forecast System
Developer: CECER-EN
Proponent: University of Illinois
Point of Contact: Margaret Olson, ext 445
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used: COMM
Specific Commercial Program Used:
Version:
Primary User: Master Planner
Secondary User:
Other User:
FE Task I.D. Code: None

Brief Description

This system contains economic, demographic, and statistical models for use by the Master Planner in the DEH. It is available through ETIS.

Application

Name: ESRAM - Expert System Rail Maintenance System
Developer: CECER-EM
Proponent: FORSCOM-DEH
Point of Contact: Frank Kearney, ext 211
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: Pascal
Type of Commercial Program Used: Database
Specific Commercial Program Used:
Version:
Primary User: Building and Grounds
Secondary User:
Other User:
FE Task I.D. Code: 7A, 7J

Brief Description

The expert system captures knowledge/experience of seasoned rail experts and makes this available to field personnel via a microcomputer. It is designed to help DEH personnel in the inspection of rail track, enabling them to determine required maintenance. The system is being developed to include maintenance of subgrade, ballast, cross ties, rail, and track geometry.

Application

Name: ESTER 1.0
Developer: CECER-EN
Proponent: HQ FORSCOM, FCEN-CDP-M
Point of Contact: John Fittipaldi, ext 255
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 256K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 1.0
Primary User: Master Planner
Secondary User: Building and Grounds
Other User:
FE Task I.D. Code: 5C, 8A

Brief Description

ESTER allows MACOM and installation personnel an accurate and easy-to-use method of estimating repair and remodeling costs of World War II era temporary wood buildings.

Application

Name: Expert Service Order Triage
Developer: CECER-FS
Proponent: Fort Leavenworth
Point of Contact: Sandra Kappes, ext 542
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Prolog
Type of Commercial Program Used: Expert
Specific Commercial Program Used: Turbo Prolog
Version:
Primary User: Work Receptionist
Secondary User: Scheduler
Other User:
FE Task I.D. Code: 4E, 4F

Brief Description

This system helps the work receptionist identify work type and assign priorities and task codes from the information given by the customer.

Application

Name: Expert System for Asphalt Paving
Developer: CECER-EM
Proponent: CEHSC
Point of Contact: Philip Lawrence, ext 636
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer: IBM-PC Compatible
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: DOS 2.1
Does System Support Remote Terminals?:
Programming Languages Used: Pascal
Type of Commercial Program Used: Expert
Specific Commercial Program Used: Critic
Version:
Primary User: Pavement Inspectors
Secondary User: Construction Inspector
Other User: Highway Administration Personnel
FE Task I.D. Code: 4L

Brief Description

System will diagnose problems and instruct personnel in proper inspection procedures for asphalt pavements.

Application

Name: Expert System for Construction Schedule Analysis
Developer: CECER-FS
Proponent: CEEC-CE
Point of Contact: Bill East, ext 506
Status of System: BETA Test Version, FY89

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: PC-AT/386 Compatible
Random Access Memory Required: 8MB
Operating System: Goldworks
Does System Support Remote Terminals?: No
Programming Languages Used: GC-LISP
Type of Commercial Program Used: Expert
Specific Commercial Program Used: Goldworks
Version:
Primary User: Construction Offices
Secondary User:
Other User:
FE Task I.D. Code: 4L, 5G, 5L

Brief Description

This system analyzes construction schedules. The field engineer inputs a construction schedule or recieves it electronically and the expert system evaluates it to identify inconsistencies and suggest alternatives. The expert system checks the construction schedule against the cost, time, logic, and general requirements constraints.

Application

Name: FURMS - Facilities Utilities Record Management System
Developer: CECER-ES
Proponent: Fort McCoy
Point of Contact: Mike Binder, ext 783
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 1MB
Operating System: DOS
Does System Support Remote Terminals?:
Programming Languages Used: R Base System Command Language
Type of Commercial Program Used: Database
Specific Commercial Program Used: RBase System V
Version:
Primary User: Utilities Division
Secondary User: Energy Coordinator
Other User:
FE Task I.D. Code: 8F, 8G

Brief Description

This system provides for the maintenance of metered utilities, fuel issues, utility invoices, and pertinent building and weather data for on-post and off-post activities. It produces internal management control and analysis reports, energy consumption reports, budget reports in support of purchase and sale of utilities, and provides input to the technical data report.

Application

Name: G-Piper - Pipe Maintenance Engineered Management System
Developer: CECER-EM
Proponent: CECER-EM
Point of Contact: Ashok Kumar, ext 235
Status of System: Being tested

Hardware & Software

Computer Size: Mainframe, Micro
Type of Mainframe: CDC
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: System 2000, MS-DOS
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran, Pascal, dBaseIII+
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+, Compiled (Micro)
Version:
Primary User: Utilities Division
Secondary User: Engineering Plans and Services, Engineering Resource Management Division
Other User:
FE Task I.D. Code: 4A, 4J, 4L, 7A

Brief Description

G-Piper is an engineered management system designed for use by the DEH to manage underground gas piping networks on an installation basis. Piper predicts average pipe life based on soil condition and provides a corrosion status summary and inventory for all underground gas pipes. G-Piper will also add improved predictive models, optimization techniques, cost estimating capabilities, and economic analysis.

Application

Name: GISTALK
Developer: CECER-EN
Proponent: Corps Committee on GIS
Point of Contact: Bill Goran, ext 735
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: GRASS Users
Secondary User:
Other User:
FE Task I.D. Code: 3D

Brief Description

A bulletin board and mail forum for Corps District and installation personnel interested in various issues relating to geographic information system software, hardware, data, meetings. references, etc.

Application

Name: GRASSNET
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Kathy Norman, ext 220
Status of System: In full use

Hardware & Software

Computer Size: Connecting Network
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: Masscomp SUN, 382/PC6300
Random Access Memory Required: Virtual
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used: COMM
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User:
Other User:
FE Task I.D. Code: 3A, 3B, 3C, 3D, 3F, 8C, 8A

Brief Description

An implementation of UNIX machine to machine communication lists that is used to connect GRASS
user sites for mail, data exchanges, discussion, forums, and announcements. The network node is the
Pyramid computer at USACERL.

Application

Name: Guild-Based System for Environmental Analysis
Developer: CECER-EN
Proponent: CEHSC-E, CWP
Point of Contact: Bill Severinghaus, ext 744
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 257-512K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used:
Type of Commercial Program Used: INTEGRTD
Specific Commercial Program Used: Enable
Version:
Primary User: Environmental Office
Secondary User: DEH/Wildlife Office
Other User:
FE Task I.D. Code: 3F, 3G

Brief Description

Environmental assessment and monitoring wildlife component of natural resources to apply to decision support systems for ecological management of training and recreational areas.

Application

Name: HAZE - Hazardous Expertise
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Diane K. Mann, ext 741
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?:
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: DEH Personnel
Other User:
FE Task I.D. Code: 3A

Brief Description

HAZE is an experimental subprogram of the ETIS. It provides an easy, informal medium for hazardous waste people at widespread geographic locations and at diverse levels of the military chain to discuss problems and exchange ideas.

Application

Name: Heat Plant Expert Analysis System
Developer: CECER-ES
Proponent: DEHSC-FE-U
Point of Contact: Gary Schanche, ext 279
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: AT or 386 Compatible
Random Access Memory Required:
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Expert System Shell/LISP
Type of Commercial Program Used: Expert
Specific Commercial Program Used:
Version:
Primary User: Utilities Division
Secondary User:
Other User:
FE Task I.D. Code: 8A

Brief Description

This expert system identifies the sources of problems and inefficient operation on the gas burner systems used on boilers in central heating plants. It is an interactive system that draws information from the user and guides them through a structured problem evaluation procedure.

Application

Name: Heat Recovery Incinerator Feasibility
Developer: CECER-ES
Proponent: CEEC-EG
Point of Contact: Gary Schanche, Ken Griggs, ext 785
Status of System: Under development

Hardware & Software

Computer Size: Mini, Micro
Type of Mainframe:
Type of Mini Computer: VAX
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 128-256K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: Utilities
Other User: Engineering Plans and Services
FE Task I.D. Code: 3B, 5A, 9H

Brief Description

This system performs technical and financial analysis for heat recovery incineration projects being considered. The intended users are energy related personnel in Districts, MACOMs, and installations.

Application

Name: HMMS - Hazardous Materials Management System
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Ron Webster, ext 593
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 1
Primary User: Environmental Office
Secondary User: Safety Office
Other User:
FE Task I.D. Code: 3A, 3B, 3F, 3G

Brief Description

This system processes regulatory laws and handles information for hazardous materials. It contains four systems: (1) RCRA - Resource Conservation Recovery Act - identifies hazardous substances, (2) HMIS-SAFE - safety requirements for handling hazardous materials, (3) HMIS-TRANS--how to handle hazardous materials for transporting, (4) TNT-Trade Name Translator--translates trade name of chemical to actual elements/compounds in product. It is used by environmental and safety personnel at installations, MACOMs, and HQ. It is available on ETIS.

Application

Name: HQ-IFS - Maintenance Resource Prediction Model-Mainframe
Developer: CECER-FS
Proponent: CEHSC-FP
Point of Contact: Edgar Neely, ext 721
Status of System: Under development

Hardware & Software

Computer Size: Mainframe
Type of Mainframe: IBM
Type of Mini Computer:
Type of Micro Computer:
Random Access Memory Required:
Operating System: VM/CMS
Does System Support Remote Terminals?: Yes
Programming Languages Used: NOMAD
Type of Commercial Program Used: Database
Specific Commercial Program Used:
Version:
Primary User: Building and Grounds
Secondary User: Utilities, Housing
Other User: Engineering Resources Management Division, Engineering Plans and Services
FE Task I.D. Code: 4J, 5D, 7A, 7J, 8A, 8J

Brief Description

Predicts maintenance and repair tasks required in outyears to maintain Army facilities. It will be used to program outyear maintenance and repair funds for Army facilites. The mainframe version is to be used primarily by HQUSACE and MACOMs.

Application

Name: IICEP - Interagency/Government Coordination for Environmental Planning
Developer: CECER-EN
Proponent: USAFESC, Tyndall AFB
Point of Contact: Ron Webster, ext 593
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User:
Other User:
FE Task I.D. Code: 3D

Brief Description

It identifies points of contact for environmental coordinators in State and Federal agencies. It is used by master planners and environmental personnel. It is available through ETIS.

Application

Name: Installation Space Management System
Developer: CECER-FS
Proponent: CECP-M
Point of Contact: Roger Brauer, ext 714
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 257-512K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used:
Type of Commercial Program Used: Database
Specific Commercial Program Used:
Version:
Primary User: Space Planner
Secondary User:
Other User:
FE Task I.D. Code: 5H

Brief Description

This system handles space inventory, assignments, tracking of space change requests and use reporting.
Used by installation space managers.

Application

Name: LCCID - Life Cycle Cost in Design
Developer: CECER-ES
Proponent: CEEC-EE
Point of Contact: Linda Lawrie, ext 282
Status of System: In full use

Hardware & Software

Computer Size: Mini, Micro
Type of Mainframe:
Type of Mini Computer: Harris
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 257-512K
Operating System: Harris OS, MS-DOS, OS/2
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran 77
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 1.001
Primary User: Utilities Division, Engineering Plans and Services
Secondary User: Building and Grounds
Other User:
FE Task I.D. Code: 7G, 8E

Brief Description

The LCCID system performs life cycle cost calculations for all new building designs and retrofit energy projects. It is intended for use by personnel in the Corps of Engineer Districts and A/E firms or others needing life cycle cost calculations.

Application

Name: LIS - Legislative Information Systems
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Ron Webster, ext 593
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User:
Other User:
FE Task I.D. Code: 3D

Brief Description

A family of systems that identify legislative and regulatory constraints. Contains CELDS and CW-CELDS. It is available through ETIS.

Application

Name: Maintenance Resource Prediction Model-Micro Version
Developer: CECER-FS
Proponent: CEHSC-FP
Point of Contact: Edgar Neely, ext 721
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: Fortran, Btrieve
Type of Commercial Program Used: Database
Specific Commercial Program Used:
Version:
Primary User: Building and Grounds
Secondary User: Utilities, Housing
Other User: Engineering Resources Management Division, Engineering Plans and Services
FE Task I.D. Code: 4J, 5D, 7A, 7J, 8A, 8J

Brief Description

Predicts maintenance and repair tasks required in outyears to maintain Army facilities. It is used to program maintenance and repair funds in outyears. The microcomputer version will be used by DEH staff.

Application

Name: MicroBNOISE - Micro-Based Blast Noise Contouring System
Developer: CECER-EN
Proponent: HQ FORSCOM, CEHSC-E
Point of Contact: John Fittipaldi, ext 255
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: DOS
Does System Support Remote Terminais?:
Programming Languages Used: Fortran
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: Range Control
Other User:
FE Task I.D. Code: 3A

Brief Description

Allows command staff to assess proposed noise mitigation measures that produce the maximum benefit with the least impact on mission. Changes in size and shape of the noise zones are presented graphically so that noise impacts are understood. Current operations data, projected future operation data, and mitigating strategies data may be stored in disk files for rapid retrieval and updating. A variety of printed reports are available for documentation and further analysis.

Application

Name: MMR - Management of Maintenance and Repair
Developer: CECER-FS
Proponent: FORSCOM
Point of Contact: Jerry Brown, ext 510
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer: IBM-AT Compatible
Type of Micro Computer:
Random Access Memory Required: 640K
Operating System: DOS
Does System Support Remote Terminals?: No
Programming Languages Used: dBaseIII
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII
Version:
Primary User: Installation Engineers
Secondary User: FORSCOM/TRADOC Engineers
Other User:
FE Task I.D. Code: 4A, 4D, 4F, 4G, 4H, 4G, 4J

Brief Description

MMR allows local installation engineers to become more effective and efficient in tracking maintenance and repair projects from the installation level up through HQUSACE.

Application

Name: MYPLAN
Developer: CECER-FS
Proponent: CEEC-P
Point of Contact: Ilker Adiguzel, ext 728
Status of System: In full use

Hardware & Software

Computer Size: Mainframe
Type of Mainframe: IBM 370/3083
Type of Mini Computer:
Type of Micro Computer:
Random Access Memory Required: 128K
Operating System: VM/CMS
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran, COBOL
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Engineering Plans and Services
Secondary User:
Other User:
FE Task I.D. Code: 5D

Brief Description

MYPLAN is an automated (direct user entry into the computer) process for updating the multiyear programs by installations, major subcommands, MACOM, and HQDA. This includes the FYP, the LRCP and the MPL for MCA, AFH, and NAF. Program managers at all levels will use this system for their individual updates.

Application

Name: Natural Resources Management Data System
Developer: CECER-EN
Proponent: CEHSC-FB
Point of Contact: Hal Balbach, ext 251
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 257-512K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used:
Type of Commercial Program Used: Database
Specific Commercial Program Used: RBase 4000
Version: 1.0
Primary User: Natural Resources Manager
Secondary User: MACOM Personnel
Other User:
FE Task I.D. Code: 5J, 7C

Brief Description

Manages, for MACOM level, the data from the annual natural resources reports (DA 2785-R). Used by HQUSACE natural resources management supervisors section and personnel in MACOM.

Application

Name: NPDES - National Pollutant Discharge Elimination System
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Diane K. Mann, ext 741
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid 90X
Type of Micro Computer:
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 1
Primary User: Environmental Office
Secondary User:
Other User:
FE Task I.D. Code: 3A, 3B, 3F, 3G

Brief Description

Processes and monitors water pollution monitoring reports. Available through ETIS. For use by the environmental personnel at installations, MACOMs, and HQ.

Application

Name: PAINTER - Paint Maintenance Engineered Management System
Developer: CECER-EM
Proponent: CEHSC-FU
Point of Contact: Orange Marshall, ext 766
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: dBaseIII+, Compiled
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+
Version:
Primary User: Building and Gro nds
Secondary User: Engineering Resources Management Division, Engineering Plans and Services
Other User:
FE Task I.D. Code: 7A, 7J

Brief Description

PAINTER is an engineered management system to be used by the DEH for the optimization of funds available for painting and for work planning. Painting will be prioritized based on information gathered on facility coating conditions in regularly scheduled inspections.

Application

Name: PAVER - Pavement Maintenance Engineered Management System
Developer: CECER-EM
Proponent: USAF, FAA
Point of Contact: Mo Shahin, ext 209
Status of System: In full use

Hardware & Software

Computer Size: Mainframe, Micro
Type of Mainframe: CDC
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: SYSTEM 2000, MS-DOS
Does System Support Remote Terminals?: Yes
Programming Languages Used: Fortran, COB-MAIN, Fortran-Micro
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+
Version: 2.0
Primary User: Building and Grounds
Secondary User: Engineering Resources Management Division, Engineering Plans and Services, Airport
  Manager
Other User: City Engineers
FE Task I.D. Code: 7A, 7G, 7J, 5A, 5I, 5E, 5L, 5P

Brief Description

PAVER is an engineered management system that provides users with a practical decisionmaking procedure for identifying cost-effective maintenance and repair for roads and airport pavements. PAVER provides many important capabilities including pavement inventory, budget planning, project prioritization, and economic analysis among various maintenance alternatives.

Application

Name: PAX/DD Form 1391 Graphics
Developer: CECER-FS
Proponent: CEHND
Point of Contact: Bill Flickinger, ext 727
Status of System: In full use

Hardware & Software

Computer Size: Mainframe, Micro
Type of Mainframe: IBM
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: VM/CMS, MS-DOS
Does System Support Remote Terminals?: Yes
Programming Languages Used: Combination. Being rewritten in Fortran and COBOL
Type of Commercial Program Used: CAD/COMM
Specific Commercial Program Used:
Version:
Primary User: Master Planner
Secondary User: Engineering Plans and Services
Other User:
FE Task I.D. Code: 5C, 5D

Brief Description

The system adds graphics capabilities to the existing programming and execution (PAX) automation system using commercially available software for microcomputers. It integrates capabilities of micros in graphics, word processing, and communications. Created in the commercially available packages, drawings are then transmitted to PAX using standard communication packages. Users can create, edit, modify, comment, or view graphic information as requried. Custom software links the commercial systems into an integrated graphics, word processing, communications package for the PAX system. Potential users include: master planners, facility engineers, district personnel, MACOMs, and HQUSACE.

Application

Name: PCB Transformer System
Developer: CECER-EN
Proponent: AMC-EN
Point of Contact: Keturah Reinbold and Bernard Donahue, ext 742
Status of System: In full use

Hardware & Software

Computer Size: Mini, Micro
Type of Mainframe:
Type of Mini Computer: VAX, Pyramid
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: Utilities Division
Other User: Fire Protection
FE Task I.D. Code: 3B, 9A, 9J, 9K, 10I

Brief Description

Provides technical assistance to DEHs to make cost-effective decisions in accordance with regulations as to maintenance etc of PCB and PCB-contaminated transformers. Available through ETIS.

Application

Name: PEST - Pesticide Information Retrieval System
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Cal Corbin, ext 731
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid 90X
Type of Micro Computer:
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version: 1
Primary User: Environmental Office
Secondary User: Safety Officer
Other User:
FE Task I.D. Code: 3A, 3B, 3F, 3G

Brief Description

Manipulates and retrieves data on pesticide use at Army installations. For use by environmental personnel at installations, MACOMs, and HQ; specifically the entomologists. It is available through ETIS.

Application

Name: Physical Security Evaluation System
Developer: CECER-EM
Proponent: CEEC-ET
Point of Contact: Pamalee Brady, ext 247
Status of System: Under development

Hardware & Software

Computer Size: Micro, Mainframe
Type of Mainframe: IBM
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: NYD
Operating System: UNIX-based
Does System Support Remote Terminals?:
Programming Languages Used: Not yet determined
Type of Commercial Program Used:
Specific Commercial Program Used: Not yet determined
Version:
Primary User: Installation Command
Secondary User: DEH Personnel
Other User:
FE Task I.D. Code: 7A, 7G

Brief Description

The methodology will allow designers to rationally choose among available physical security alternatives and integrate them into a cost-effective design for a new or existing facility. It will be used by Base Commanders, Provost Marshalls, and DEHs to determine the current quality of physical security at existing facilities and/or installations and identify areas that require strengthening.

Application

Name: PPLV - Preliminary Pollutant Limit Value
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Diane K. Mann, ext 741
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: VAX, Pyramid 90X
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used: Database
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: MACOMs
Other User: HQ
FE Task I.D. Code: 3A, 3B, 3F, 3G

Brief Description

Predicts probable environmental limits for pollutants that could have health effects on humans. Data base limits use to environmental personnel at installations, MACOMs, and HQ.

Application

Name: PROJDOC - MCAR Project Documentation Processor
Developer: CECER-FS
Proponent: HQDA (DAAR)
Point of Contact: Gonzalo Perez, ext 369
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: DOS 3.1
Does System Support Remote Terminals?: No
Programming Languages Used: dBase clone
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+, Quicksilver
Version:
Primary User: MCAR Project Manager in Office of the Chief, Army Reserve
Secondary User: Continental U.S. Army and Western Command
Other User: FORSCOM Engineer
FE Task I.D. Code: 5A, 5C, 5D

Brief Description

This microcomputer-based integrated spreadsheet, data base, communication system will provide automated MCAR program analysis, document production, communication of MCAR document information and do automated MCAR document review.

Application

Name: Project Management System Selection Guide
Developer: CECER-FS
Proponent: CEEC-CE
Point of Contact: Bill East, ext 506
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: XT/AT Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Hypertext
Type of Commercial Program Used: Expert
Specific Commercial Program Used:
Version:
Primary User: Construction Offices
Secondary User:
Other User:
FE Task I.D. Code: 4C, 4D, 4H, 4J, 4K, 4M

Brief Description

Choosing a microcomputer-based Project Management System (PMS) is an extremely difficult and time-consuming task. This system allows the user to quickly learn PMS capabilities and apply them to their specific office characteristics.

Application

Name: QADPAR - Quality Assurance Data Processing and Reporting
Developer: CECER-FS
Proponent: CEHSC-FB
Point of Contact: John Williamsom, ext 710
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: AT Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: dBase
Type of Commercial Program Used: Database
Specific Commercial Program Used:
Version:
Primary User: Building and Grounds
Secondary User:
Other User:
FE Task I.D. Code: 4R

Brief Description

Program barcode data input, does calculations for contractor ratings, and does reports for COR.

Application

Name: RACE - Regulations and Compliance Expertise
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Diane K. Mann, ext 741
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required:
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: Military Lawyers
Other User:
FE Task I.D. Code: 3A, 3D

Brief Description

RACE provides an easy, informal communication medium for information on regulations involving environmental issues. Legal questions can be posted on the system for the military lawyers to address. It is available on ETIS.

Application

Name: RAILER I - Railroad Maintenance Engineered Management System
Developer: CECER-EM
Proponent: FORSCOM
Point of Contact: Don Uzarski, ext 701
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: Fortran, Pascal
Type of Commercial Program Used: Database
Specific Commercial Program Used: RBase 5000/Compiled
Version:
Primary User: Building and Grounds
Secondary User: Engineering Resources Management Division, Engineering Plans and Services
Other User:
FE Task I.D. Code: 7A, 7J

Brief Description

RAILER I is a management system designed for use by the DEH to manage railroad trackage networks on an installation-by-installation basis. This system is to be the early prototype to the RAILER II system. As such, this system will employ network component identification procedures, inventory and inspection criteria based on the draft trackage maintenance standards. Intended for use at the network level, the results of RAILER I will be used primarily for project development and maintenance planning.

Application

Name: RAILER II - Railroad Maintenance Engineered Management System
Developer: CECER-EM
Proponent: CEHSC-FE
Point of Contact: Don Uzarski, ext 701
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: RBase
Type of Commercial Program Used: Database
Specific Commercial Program Used: RBase
Version:
Primary User: Utilities Division
Secondary User: Engineering Resources Management Division, Engineering Plans and Services
Other User:
FE Task I.D. Code: 7A, 7G, 7J

Brief Description

RAILER II is an engineered management system designed for use by the DEH to manage trackage networks on an installation-by-installation basis. Using the RAILER I system as a starting point, RAILER II will provide enhanced capability. Rather than relying just on the trackage maintenance standards as the evaluation criteria, RAILER II will also consider structural analysis. RAILER II will also add predictive models, optimization techniques, cost estimating capabilities, and economic analysis. This system is intended for use at both network and project level.

Application

Name: RISE - Resource Information System, Engineers
Developer: CECER-FS
Proponent: HQ V CORPS DEH
Point of Contact: Kevin Stewart, ext 370
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used:
Type of Commercial Program Used: Database
Specific Commercial Program Used: Clipper
Version:
Primary User: DEH
Secondary User:
Other User:
FE Task I.D. Code:

Brief Description

Critical information needs of HQ V Corps DEH require a decision support system to improve MILCOM's ability to formulate program issues that have adequate statistical narrative foundation to collect, analyze, and synopsize the essential supporting data.

Application

Name: ROOFER - Roof Maintenance Engineered Management System
Developer: CECER-EM
Proponent: CEHSC-FB
Point of Contact: Dave Bailey, ext 756
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: dBaseIII+, Compiled
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+
Version: Prototype
Primary User: Building and Grounds
Secondary User: Engineering Resources Management Division, Engineering Plans and Services
Other User:
FE Task I.D. Code: 7A, 7J

Brief Description

ROOFER is an engineered management system for low slope roofs which will enable DEH personnel to evaluate the condition of low slope roofs and manage them at the project and network level. ROOFER will provide many important capabilities including roof inventory, condition evaluation, project prioritization, and identification of cost effective repairs.

Application

Name: SCALER - Internal Building Pipe Maintenance Engineered Management System
Developer: CECER-EM
Proponent: CECER-EM
Point of Contact: Vince Hock, ext 753
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: dBaseIII+, Clipper Compiled
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII+
Version:
Primary User: Utilities Division
Secondary User: Engineering Resources Management Division, Engineering Plans and Services
Other User:
FE Task I.D. Code: 4A, 4J, 4L, 7A

Brief Description

SCALER is an engineered management system designed for use by the DEH to manage internal building potable water piping networks on an installation basis. SCALER predicts pipe life based on water chemistry and physical pipe data. It provides a corrosion status index and predicts a date of first leak for each pipe section in its inventory. SCALER also provides data analysis reports and economic modules that assist the DEH in formulating the optimal maintenance and repair strategy for internal piping networks.

Application

Name: Self-Help Store Management System
Developer: CECER-FS
Proponent: CEHSC-FB-I
Point of Contact: Mike Fuerst, ext 273
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Compiled dBase
Type of Commercial Program Used: Database
Specific Commercial Program Used: Clipper
Version:
Primary User: Building and Grounds
Secondary User:
Other User:
FE Task I.D. Code: 7F

Brief Description

Micro program to track self-help customers, inventory, transaction records, and authorizations.

Application

Name: Soils Information System
Developer: CECER-EN
Proponent: U.S. Department of Agriculture
Point of Contact: Bill Goran, ext 735
Status of System: In full use

Hardware & Software

Computer Size: Mini
Type of Mainframe:
Type of Mini Computer: Pyramid
Type of Micro Computer:
Random Access Memory Required: Virtual
Operating System: UNIX
Does System Support Remote Terminals?: Yes
Programming Languages Used: C
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Environmental Office
Secondary User: Building and Grounds
Other User: Master Planner
FE Task I.D. Code: 3A, 3B, 3C, 3D, 3E, 3F, 8A, 8B, 8C

Brief Description

Provides information on soil properties and interpretations. It performs searches and any retrieval of Soil Conservation Service soils series and soil mapping unit data sets nationwide. It is available through ETIS. It is used by environmental personnel in DEHs, by chemical companies, and by the Soil Conservation Service.

Application

Name: Solar Designer
Developer: CECER-ES
Proponent: CEEC-EE
Point of Contact: Mike Case, ext 797
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-AT/386 Compatible
Random Access Memory Required: 3MB
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: LISP
Type of Commercial Program Used: Expert
Specific Commercial Program Used: Goldworks
Version: 1.1
Primary User: District Design Engineers
Secondary User:
Other User:
FE Task I.D. Code: 8K

Brief Description

Solar Designer is a knowledge-based engineering software package to design standardized solar thermal energy systems. It accesses AUTOCAD drawings, designs the system, produces system drawings (in AUTOCAD) and a bid specification based on the solar equipment Corps of Engineers Guide Specifications (CEGS). The beta version is due to be tested in FY89.

Application

Name: SOLFEAS - Solar Feasibility Analysis
Developer: CECER-ES
Proponent: CEEC-EE
Point of Contact: Larry Lister, ext 787
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?: Yes
Programming Languages Used: Quick Basic
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Project Designers
Secondary User: Planners
Other User:
FE Task I.D. Code: 5A

Brief Description

Performs economic feasibility studies for active solar thermal systems. Intended for use by Corps energy design personnel or A/E contractors. Will be available from BLAST Support Office in FY89.

Application

Name: System Administration Package for IFS-M
Developer: CECER-FS
Proponent: CEHSC-SI
Point of Contact: Sine Hill, ext 658
Status of System: Under development

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer: IBM-PC Compatible
Type of Micro Computer:
Random Access Memory Required: 512K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: dBase III+
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBase III+
Version: 1
Primary User: System Administrator
Secondary User: DEH Community
Other User:
FE Task I.D. Code:

Brief Description

The system and related research is to provide EHSC with a system administration package to support its effort to field IFS-M. The initial package will include: (1) an analysis of system administrator's requirements and existing software; (2) a detailed implementation strategy, including costs of purchasing or developing tools; and (3) a prototype "system administrative tool for IFS-M" which includes a software and hardware data base, a configuration comparison and display facility, bulletin board and other user management tools, statistical tools to determine system use, hypertext capabilities, and other related tools.

Application

Name: Teaching Assistant for AUTOCAD
Developer: CECER-FS
Proponent: CEEC-ED
Point of Contact: Doris Shaw, ext 729
Status of System: Technical Transfer to Electronic Courseware Systems

Hardware & Software

Computer Size: Micro
Type of Mainfra.
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: AUTOCAD Command, AUTOLISP
Type of Commercial Program Used: CAD
Specific Commercial Program Used: AUTOCAD
Version: 1.0
Primary User: Engineering Plans and Services
Secondary User: Architects, Engineers
Other User:
FE Task I.D. Code: 5A, 5H

Brief Description

Introductory instruction in AUTOCAD. The instruction is online using the AUTOCAD software as a medium. It provides self-paced interactive learning exercises. It is designed for use by architects and engineers who are beginning to use AUTOCAD. No previous experience with CAD is presumed. This system should provide complete instructions in drawing, modifying, copying, layering, and other screen manipulations as well as basic concepts of CAD at an introductory level.

Application

Name: Teaching Assistant for Microstation
Developer: CECER-FS, CEHND
Proponent: CEEC-ED
Point of Contact: Doris Shaw, ext 729
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-AT Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: C, Microstation Command
Type of Commercial Program Used: CAD
Specific Commercial Program Used: Microstation
Version: .8
Primary User: Engineering Resources Management Division, Architects
Secondary User: Engineers
Other User:
FE Task I.D. Code: 5C

Brief Description

Introductory instruction in Microstation. The instruction is online using the Microstation software as a medium. It provides self-paced interactive learning exercises. It is designed for use by architects and engineers who are beginning to use Microstation. No previous experience with CAD is presumed. Complete lessons as well as CAD introduction.

Application

Name: Training Area Maintenance Managment and Scheduling System
Developer: CECER-EN
Proponent: CEHSC-E-ER FEAP Program
Point of Contact: Bill Severinghaus, ext 744
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 256K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used:
Type of Commercial Program Used: INTEGRTD
SPECIFIC Commercial Program Used: Enable
Version:
Primary User: Land Management Personnel
Secondary User:
Other User:
FE Task I.D. Code: 3G, 4C, 7A, 7C

Brief Description

A mechanism to plan and schedule work order requests for maneuver and/or training land maintenance including identification of equipment and resource requirements.

Application

Name: UST - Underground Storage Tank Data System
Developer: CECER-EN
Proponent: CEHSC-E
Point of Contact: Kathy Chylla, ext 601
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: dBaseIII
Type of Commercial Program Used: Database
Specific Commercial Program Used: dBaseIII
Version: 1.1
Primary User: Environmental Office
Secondary User: Building and Grounds
Other User:
FE Task I.D. Code: 3A

Brief Description

This is a series of projects which include: collecting and storing data on Army storage tanks; developing a Leak Potential Index (LPI) to measure the probability of a tank leakage; checking the validity of LPI on tanks in sites; determining factors causing the failure of tanks; evalutating tank leak detection procedures; developing guidelines for leaking UST clean-up and disposal processes; developing strategies and guidelines for the remedial actions; and monitoring tanks and their environment.

Application

Name: VOIS - Voice Operated Inspection System
Developer: CECER-EM
Proponent: CECER, Military Construction Team
Point of Contact: Debbie Lawrence, ext 755
Status of System: Commercially available

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer:
Random Access Memory Required: 640K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: Pascal C
Type of Commercial Program Used: Database
Specific Commercial Program Used: RBase 5000
Version:
Primary User: DEH Personnel
Secondary User:
Other User:
FE Task I.D. Code: All

Brief Description

The VOIS allows voice logging of inspection or data collection which the system can directly translate into printed reports. This eliminates the need for filling data collection forms and manual compiling of data into usable reports. The DEH could use this system to perform a wide range of tasks including, IFS condition coding, custodial contract compliance, warehouse inventory, construction inspection, etc.

Application

Name: Water System Leakage Estimator
Developer: CECER-EN
Proponent: CEHSC-FU
Point of Contact: Rick Scholze, ext 743
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 256K
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used: Lotus 123
Type of Commercial Program Used: SPREAD
Specific Commercial Program Used: Lotus 123
Version: 2.1 or 2.2
Primary User: Utilities Division
Secondary User:
Other User:
FE Task I.D. Code: 8A

Brief Description

This spreadsheet uses data from water storage tanks, water meters, or pump operating logs to estimate water loss in the distribution system. The results are useful in justifying leak detection studies.

Application

Name: WINDFEAS - Wind Feasibility Analysis
Developer: CECER-ES
Proponent: CEEC-CWO-M
Point of Contact: Rick Rundus, ext 258
Status of System: Being tested

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required: 128K
Operating System: MS-DOS
Does System Support Remote Terminals?: No
Programming Languages Used: Basic
Type of Commercial Program Used:
Specific Commercial Program Used:
Version:
Primary User: Districts, Facility Engineers, Energy Office
Secondary User: Utilities
Other User:
FE Task I.D. Code: 5L, 8F, 8G, 8M

Brief Description

WINDFEAS estimates rate of return on investment for proposed small-scale wind energy conversion systems. It will estimate optimum size of the generator based on local utility rates, wind availability at the site, local (site) electric needs, power demand profiles, windspeed profiles, and local terrain. This is to be used by energy personnel at the installation and district level.

Application

Name: WOT-DC - Work Order Tracking for Design Contracts
Developer: CECER-FS
Proponent: CEHSC-FM
Point of Contact: Mike Edwards, ext 538
Status of System: In full use

Hardware & Software

Computer Size: Micro
Type of Mainframe:
Type of Mini Computer:
Type of Micro Computer: IBM-PC Compatible
Random Access Memory Required:
Operating System: MS-DOS
Does System Support Remote Terminals?:
Programming Languages Used:
Type of Commercial Program Used: Database
Specific Commercial Program Used:
Version: 2.1 & 2.11
Primary User: Engineering Resource Management Division
Secondary User: Engineering Plans and Services
Other User:
FE Task I.D. Code: 4B, 5G

Brief Description

WOT-DC keeps track of information pertaining to design contract work orders for EPSD and budget personnel. An ad-hoc reportmaker is included to permit DEH administrators to create small "off the top of their head" reports without the aid of a programmer. WOT-DC was distributed in December of 1985.

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Programs Listed by Division

Name of Program/Application	Developer
ESRAM - Expert System Rail Maintenance System	CECER-EM
Expert System for Asphalt Paving	CECER-EM
G-PIPER - Pipe Maintenance Engineered Management System	CECER-EM
PAINTER - Paint Maintenance Engineered Management System	CECER-EM
PAVER - Pavement Maintenance Engineered Management System	CECER-EM
Physical Security Evaluation System	CECER-EM
RAILER I - Railroad Maintenance Engineered Management System	CECER-EM
RAILER II - Railroad Maintenance Engineered Management System	CECER-EM
ROOFER - Roof Maintenance Engineered Management System	CECER-EM
SCALER - Internal Building Pipe Maintenance Engineered Management System	CECER-EM
VOIS - Voice Operated Inspection System	CECER-EM
1383 - Pollution Abatement Tracking System	CECER-EN
AFEICS - Air Force Environmental Impact Computer System	CECER-EN
Air Pollution Data Acquisition and Analysis System	CECER-EN
ALMC	CECER-EN
ARMSED	CECER-EN
Benefit:Cost of Leakage Detection in Water Systems	CECER-EN
BERM - Calculator of Blast Noise Reduction	CECER-EN
CEAS - Comprehensive Economic Analysis System	CECER-EN
CELDS - Computer-Aided Environmental Legislative Data System	CECER-EN
CO2 Treatment of Potable Waters for Scale Removal	CECER-EN
CRIBB - Cultural Resource Information Bulletin Board	CECER-EN
CRIS - Cultural Resources Information System	CECER-EN
DEEP - Discuss with Experts Environmental Problems	CECER-EN
Economic Analysis for Hazardous Waste Minimization	CECER-EN
EEWS - Environmental Early Warning System	CECER-EN
EICS - Environmental Impact Computer System	CECER-EN
EIFS - Economic Impact Forecast System	CECER-EN
ESTER 1.0	CECER-EN
GISTALK	CECER-EN
GRASSNET	CECER-EN
Guild-Based System for Environmental Analysis	CECER-EN
HAZE - Hazardous Expertise	CECER-EN
HMMS - Hazardous Materials Management System	CECER-EN
IICEP - Interagency/Government Coordination For Environmental Planning	CECER-EN
LIS - Legislative Information Systems	CECER-EN
MicroBNOISE - Micro-Based Blast Noise Contouring System	CECER-EN
Natural Resources Management Data System	CECER-EN
NPDES - National Pollutant Discharge Elimination System	CECER-EN
PCB Transformer System	CECER-EN
PEST - Pesticide Information Retrieval System	CECER-EN
PPLV - Preliminary Pollutant Limit Value	CECER-EN
RACE - Regulations and Compliance Expertise	CECER-EN
Soils Information System	CECER-EN
Training Area Maintenance Management and Scheduling System	CECER-EN

UST - Underground Storage Tank Data System	CECER-EN
Water System Leakage Estimator	CECER-EN
BLAST - Building Loads and System Thermodynamics	CECER-ES
FURMS - Facilities Utilities Record Management System	CECER-ES
Heat Plant Expert Analysis System	CECER-ES
Heat Recovery Incinerator Feasibility	CECER-ES
LCCID - Life Cycle Cost in Design	CECER-ES
Solar Designer	CECER-ES
SOLFEAS - Solar Feasibility Analysis	CECER-ES
WINDFEAS - Wind Feasibility Analysis	CECER-ES
1391 Processor	CECER-FS
ACMS - Automated Construction Management System	CECER-FS
ARMS - Automated Review Management System	CECER-FS
CAMMS	CECER-FS
CAMPS - Computer-Aided Master Planning System	CECER-FS
CGS - Claims Guidance System	CECER-FS
Computer-Assisted Instruction Tools for IFS-M	
D.L.A. CERL/CAD Pilot Program	CECER-FS
DEH Automated Mapping/Facility Management (AM-FM) Graphics	CECER-FS
DEH Electronic Bulletin Board	CECER-FS
DEH Equipment Management System	CECER-FS
DEH Maintenance Management System Using Barcodes	CECER-FS
Design 4-D	CECER-FS
Design Criteria Information System	CECER-FS
DR-REAL - Desktop Resource for Real Property	CECER-FS
DTMS - Data Traffic Management System	CECER-FS
EASE - Executive Action Support Environment	CECER-FS
ECONPACK - Economic Analysis Package	CECER-FS
Expert Service Order Triage	CECER-FS
Expert System for Construction Schedule Analysis	CECER-FS
HQ-IFS Maintenance Resource Prediction Model-Mainframe	CECER-FS
Installation Space Management System	CECER-FS
Maintenance Resource Prediction Model-Micro Version	CECER-FS
MMR - Management of Maintenance and Repair	CECER-FS
MYPLAN	CECER-FS
PAX/DD Form 1391 Graphics	CECER-FS
PROJDOC - MCAR Project Documentation Processor	CECER-FS
Project Management System Selection Guide	CECER-FS
QADPAR - Quality Assurance Data Processing and Reporting	CECER-FS
RISE - Resource Information System, Engineers	CECER-FS
Self-Help Store Management System	CECER-FS
System Administration Package for IFS-M	CECER-FS
Teaching Assistant for AUTOCAD	CECER-FS
WOT-DC - Work Order Tracking for Design Contracts	CECER-FS
Teaching Assistant for Microstation	CECER-FS,HND

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Program Listed by Functional Area

Name of Program/Application	Functional Area
ESRAM - Expert System Rail Maintenance System	Building and Grounds
HQ-IFS - Maintenance Tesource Prediction Model-Mainframe	Building and Grounds
Maintenance Resource Prediction Model-Micro Version	Building and Grounds
PAINTER - Paint Maintenance Engineered Management System	Building and Grounds
PAVER - Pavement Maintenance Engineered Management System	Building and Grounds
QADPAR - Quality Assurance Data Processing and Reporting	Building and Grounds
RAILER I - Railroad Maintenance Engineered Management System	Building and Grounds
ROOFER - Roof Maintenance Engineered Management System	Building and Grounds
Self-Help Store Management System	Building and Grounds
CRIBB - Cultural Resource Information Bulletin Board	Civil Works
Expert System for Construction Schedule Analysis	Construction offices
Project Management System Selection Guide	Construction offices
CAMMS	Contract Mgrs
DEH Automated Mapping/Facility Management (AM-FM) Graphics	DEH Personnel
DEH Electronic Bulletin Board	DEH Personnel
Computer-Assisted Instruction Tools for IFS-M	DEH Personnel
RISE - Resource Information System, Engineers	DEH Personnel
System Administration Package for IFS-M	DEH Personnel
VOIS - Voice Operated Inspection System	DEH Personnel
Design Criteria Information System	Designers
CGS - Claims Guidance System	District
Solar Designer	District Design Eng
WINDFEAS - Wind Feasibility Analysis	District/FE/Energy
1383 - Pollution Abatement Tracking System	Environmental Office
AFEICS - Air Force Environmental Impact Computer System	Environmental Office
ALMC	Environmental Office
ARMSED	Environmental Office
CEAS - Comprehensive Economic Analysis System	Environmental Office
CELDS - Computer-Aided Environmental Legislative Data System	Environmental Office
CRIS - Cultural Resources Information System	Environmental Office
DEEP - Discuss with Experts Environmental Problems	Environmental Office
Economic Analysis for Hazardous Waste Minimization	Environmental Office
EICS - Environmental Impact Computer System	Environmental Office
GRASSNET	Environmental Office
Guild-Based System for Environmental Analysis	Environmental Office
HAZE - Hazardous Expertise	Environmental Office
Heat Recovery Incinerator Feasibility	Environmental Office
HMMS - Hazardous Materials Management System	Environmental Office
IICEP - Interagency/Government Coordination For Environmental Planning	Environmental Office

LIS - Legislative Information Systems	Environmental Office
MicroBNOISE - Micro Based Blast Noise Contouring System	Environmental Office
NPDES - National Pollutant Discharge Elimination System	Environmental Office
PCB Transformer System	Environmental Office
PEST - Pesticide Information Retrieval System	Environmental Office
PPLV - Preliminary Pollutant Limit Value	Environmental Office
RACE - Regulations and Compliance Expertise	Environmental Office
Soils Information System	Environmental Office
UST - Underground Storage Tank Data System	Environmental Office
ARMS - Automated Review Management System	EP&S
MYPLAN	EP&S
Teaching Assistant for AUTOCAD	EP&S
CAMPS - Computer-Aided Master Planning System	ERMD
Design 4-D	ERMD
WOT-DC - Work Order Tracking for Design Contracts	ERMD
Teaching Assistant for Microstation	ERMD, Architects
Air Pollution Data Acquisition and Analysis System	Facility Engineers
EEWS - Environmental Early Warning System	Facility Planner
GISTALK	GRASS Users
Physical Security Evaluation System	Installation Command
MMR - Management of Maintenance and Repair	Installation Enginr
Training Area Maintenance Management and Scheduling System	Land Management Pers
1391 Processor	Master Planner
DTMS - Data Traffic Management System	Master Planner
EASE - Executive Action Support Environment	Master Planner
ECONPACK - Economic Analysis Package	Master Planner
EIFS - Economic Impact Forecast System	Master Planner
ESTER 1.0	Master Planner
PAX/DD Form 1391 Graphics	Master Planner
PROJDOC - MCAR Project Documentation Processor	MCAR Project Mgr
Natural Resources Management Data System	Natural Res. Mgr
Expert System for Asphalt Paving	Pavement Inspectors
BERM - Calculator of Blast Noise Reduction	Plan Reviewer
SOLFEAS - Solar Feasibility Analysis	Project Designer
DR-REAL - Desktop Resource for Real Property	Real Property Clerk
D.L.A. CERL/CAD Pilot Program	Space Planner
Installation Space Management System	Space Planner
DEH Equipment Management System	Supply and Storage

DEH Maintenance Management System Using Barcodes	Supply and Storage
ACMS - Automated Construction Management System	Troop Operations
LCCID - Life Cycle Cost in Design	Utilities Div., EP&S
Benefit:Cost of Leakage Detection in Water Systems	Utilities Division
BLAST - Building Loads and System Thermodynamics	Utilities Division
CO2 Treatment of Potable Waters for Scale Removal	Utilities Division
FURMS - Facilities Utilities Record Management System	Utilities Division
G-PIPER - Pipe Maintenance Engineered Management System	Utilities Division
Heat Plant Expert Analysis System	Utilities Division
RAILER II - Railroad Maintenance Engineered Management System	Utilities Division
SCALER - Internal Building Pipe Maintenance Engineered Management System	Utilities Division
Water System Leakage Estimator	Utilities Division
Expert Service Order Triage	Work Receptionist

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